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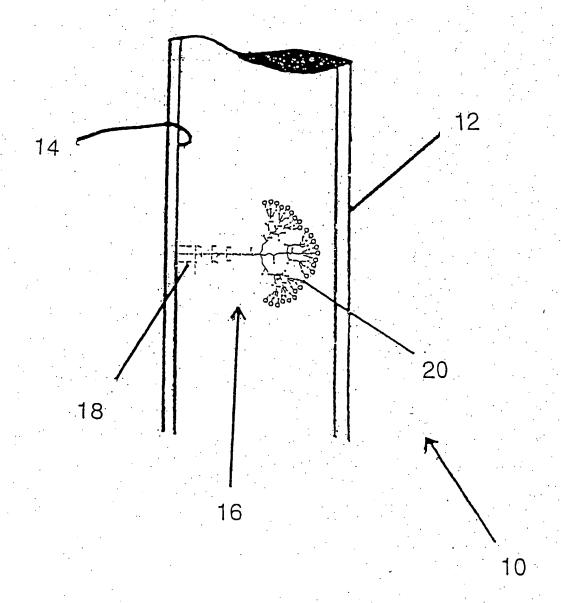
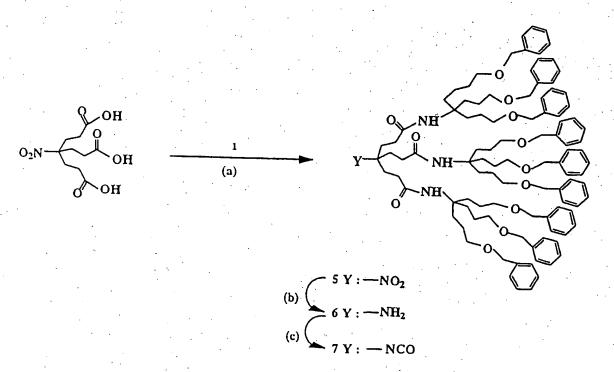


Fig. 1

(c) Et₃N, Triphosgene, 25 °C, $CH_2 Cl_2$, 1.5 h

Fig. 2



- DCC, 1-HOBT, 25 °C, dry DMF, 48 h; NaBH₄, NiB, 50 °C, MeOH, 1h (a)
- (b)
- Et₃ N, Triphosgene, 25 °C, CH₂Cl₂, 1.5 h (c)

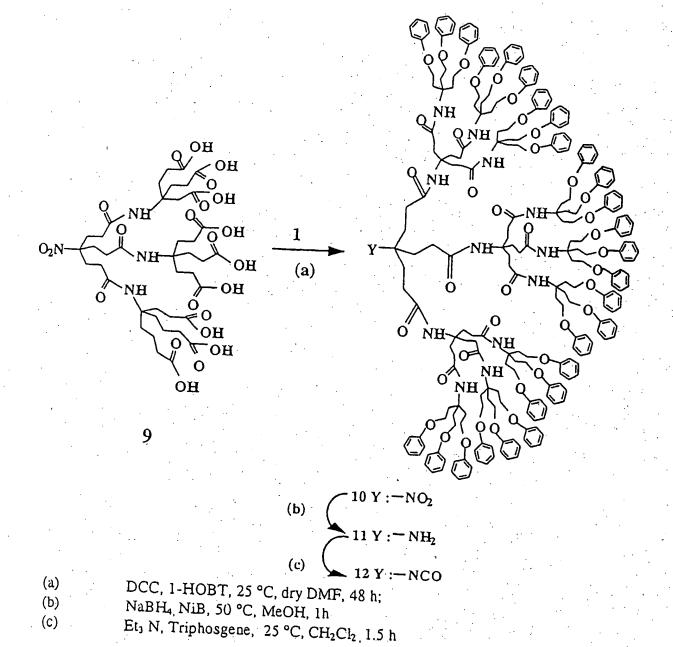
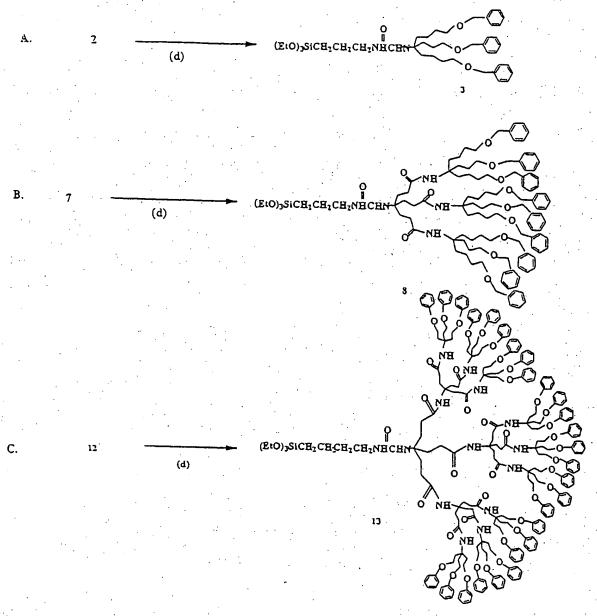


Fig. 4



(d) (Aminopropyl) triethoxysilane, 25 °C, CH2Cl2, 1 h

Fig. 5

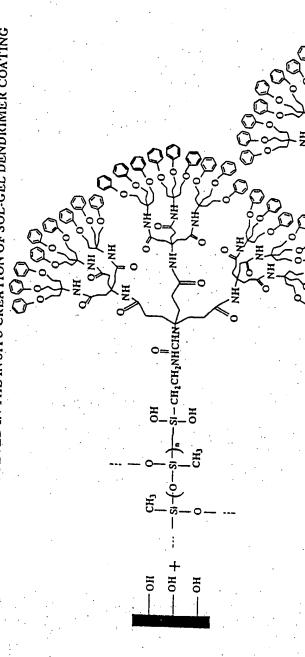
CHEMICAL REACTIONS INVOLVED IN THE IN SITU CREATION OF SOL-GEL DENDRIMER COATING

Methyltrimethoxysilane

Benzyl-terminated dendron

lg. 6

Fig. 7a



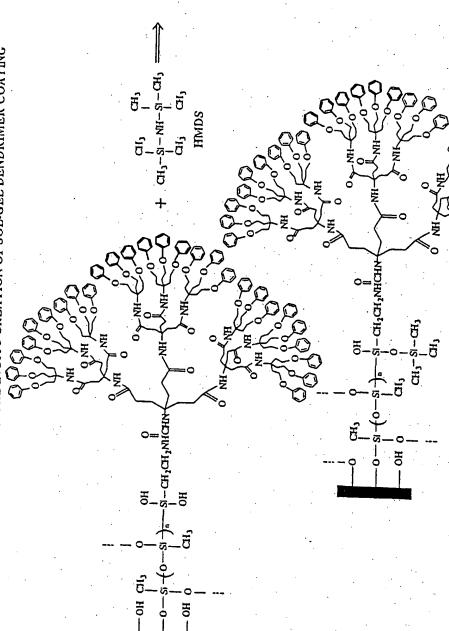


Fig. 9

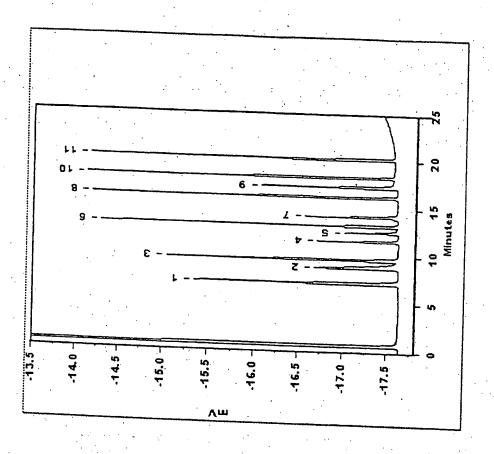


Fig. 10B

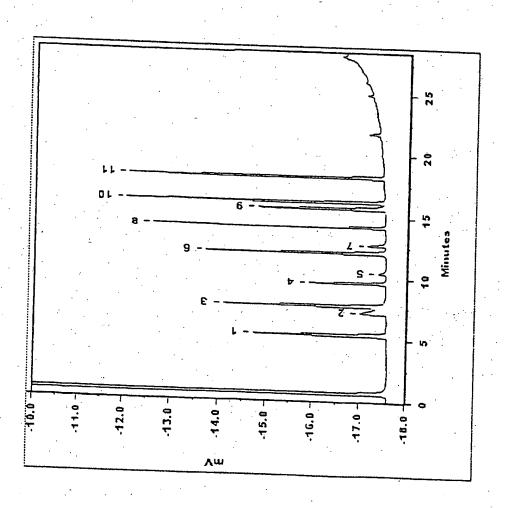


Fig. 10A

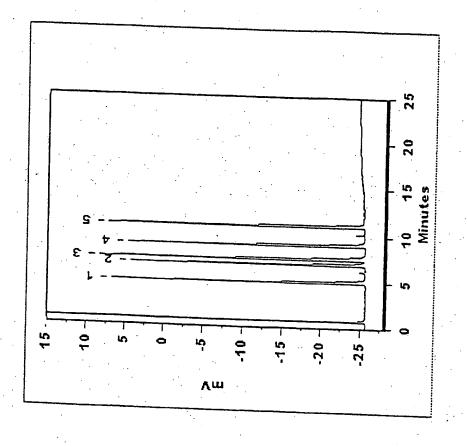


Fig. 11

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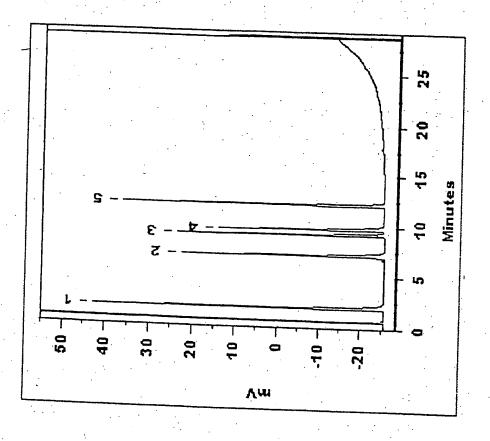


Fig. 13

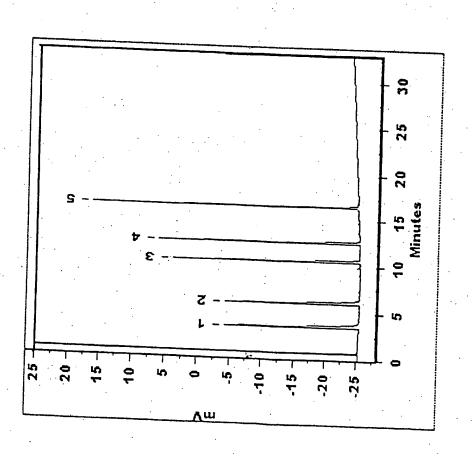


Fig. 12

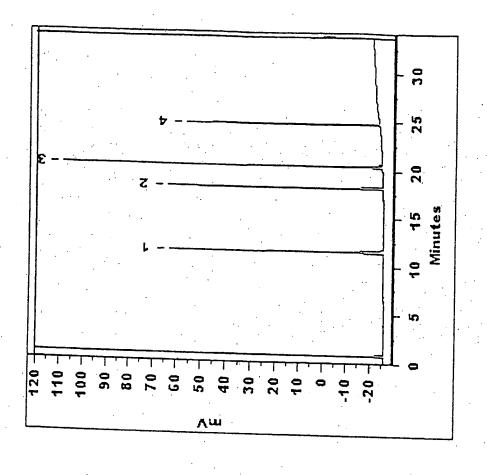


Fig. 15

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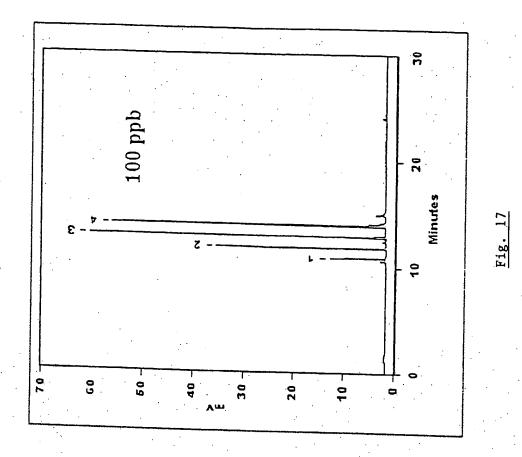
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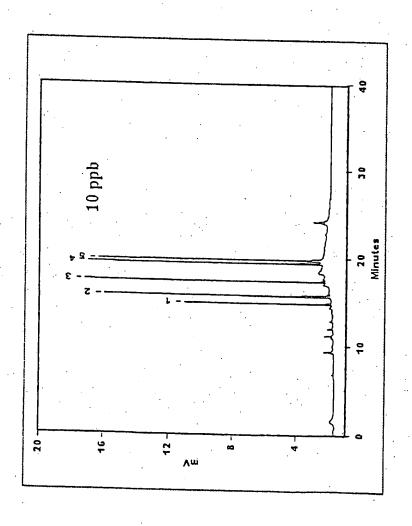
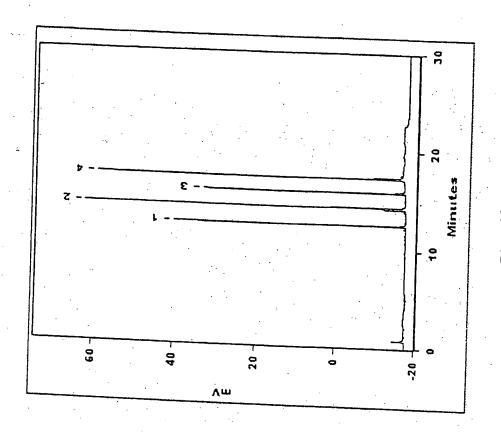


Fig. 16



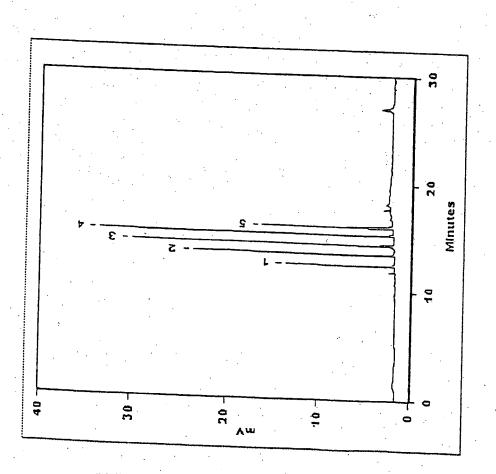
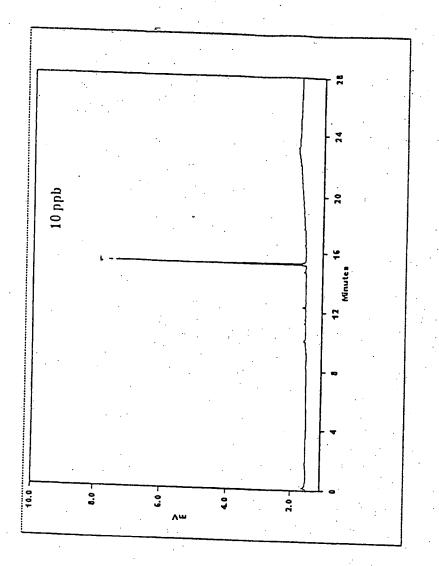


Fig. 18





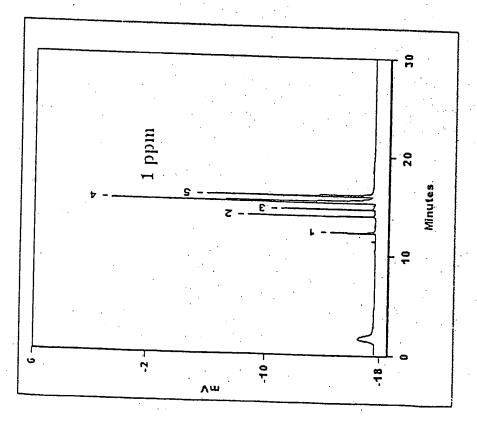
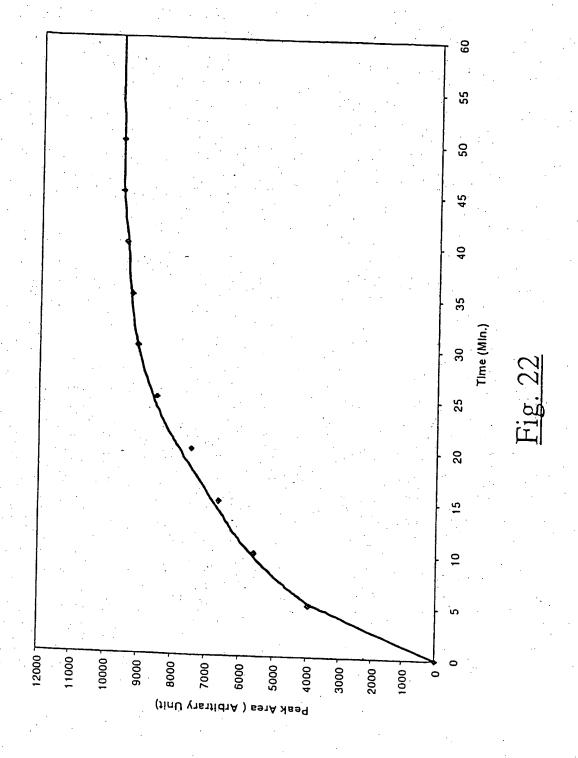


Fig. 20



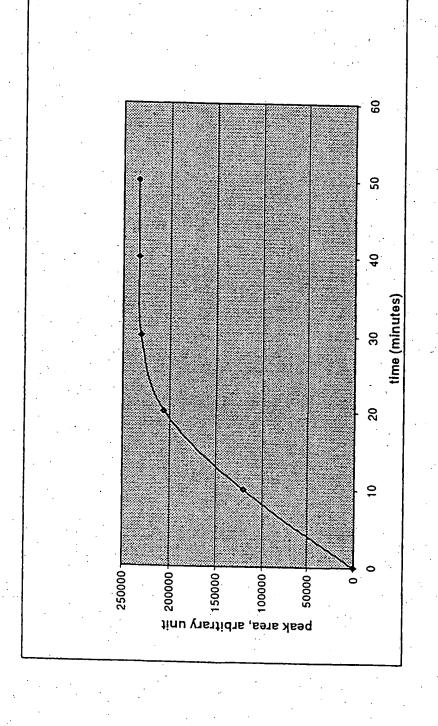


Fig. 23